PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 0000055330	FOR FURTHER ACTION	Sec item 4 bolow
International application No. PCT/EP2005/001138	International filing date (day/nonth/year) 04 February 2005 (04.02.2005)	Priority date (day/month/year) 10 February 2004 (10.02.2004)
International Patent Classification (8tl See relevant information in Form F	h edition unless older edition indicated) PCT/ISA/237	
Applicant BASF Aktlengesellschaft		

1.	This international preliminary re International Searching Authori	eport on patentability (Chapter I) is issued by the International Bureau on behalf of the ty under Rule 44 bis.1(a).
2.	This REPORT consists of a total	of 7 sheets, including this cover sheet.
	In the attached sheets, any refer to the international preliminary	ence to the written opinion of the International Searching Authority should be read as a reference report on patentability (Chapter I) instead.
3.	This report contains indications	relating to the following items:
	Box No. I	Basis of the report
	Box No. II	Priority
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
	Box No. IV	Lack of unity of invention
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
	Box No. VI	Certain documents cited
	Box No. VII	Certain defects in the international application
,	Box No. VIII	Certain observations on the international application
4.	The International Bureau will c not, except where the applicant date (Rule 44bis .2).	communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but makes an express request under Article 23(2), before the expiration of 30 months from the priority

	Date of issuance of this report 04 October 2006 (04.10.2006)
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Agnes Wittmann-Regis
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PATENT COOPERATION TREATY

TRANSLATION INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing See form PCT/ISA/210 (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION See paragraph 2 below 0000055330 International filing date (day/month/year) Priority date (day/month/year) International application No. 10.02.2004 04.02.2005 PCT/EP2005/001138 International Patent Classification (IPC) or both national classification and IPC C07C45/65, C07C47/21 Applicant BASF Aktiengesellschaft This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Priority Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability: citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application FURTHER ACTION If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Authorized officer Name and mailing address of the ISA/EP

Telephone No.

Facsimile No.

Box	No. I	Basis of this opinion
J.		regard to the language, this opinion has been established on the basis of the international application in the language in which it was unless otherwise indicated under this item.
		This opinion has been established on the basis of a translation from the original language into the following language. . which is the language of a translation furnished for the purposes of international search (under
	•	Rule 12,3 and 23,1(b)).
2.		regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed action, this opinion has been established on the basis of:
	a.	type of material
		a sequence listing
		table(s) related to the sequence listing
	ь.	format of material
		in written format
		in computer readable form
	¢.	time of filing/furnishing
		contained in the international application as filed.
		filed together with the international application in computer readable form
		furnished subsequently to this Authority for the purposes of search.
3.		In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filled or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filled or does not go beyond the application as filled, as appropriate, were furnished.
4.	Add	itional comments:

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International application No.

INTERNATIONAL SEARCHING AUTHORITY		PCT/EP2005/001138			
Box No. V Reasoned statement unde citations and explanations				ity, inventive step or industrial applicability;	
ł.	Statement				
	Novelty (N)	Claims	1-8		YE
					_ NO
	Inventive step (IS)	Claims	1-8		_ YE
		Claims			_ NO
	Industrial applicability (IA)	Claims	1-8		_ YE
		Claims			_ NO
2.	Citations and explanations:				
	1). The applica	tion :	relates to a proces	ss for preparing	
	2 7-dimoths	il oot a.	-2 4 6-trianadial	(T) in four stans:	

- - a) double enol ether condensation of a butenedial bisacetal with an enol ether,
 - b) hydrolysis of the acetal groups of the 2,7-dimethyl-1,1,3,6,8,8-hexaalkoxyocta-4-ene (IV) formed in (a) to the corresponding 2,7-dimethyl-3,6-dialkoxyoctenedial (V),
 - c) eliminating the alkoxy groups in (V) with aqueous base to give 2,7-dimethylocta-2,4,6-trienedial (I), and d) crystallization.
- 2). The present process differs from D1 in that step a) is carried out in the presence of a water-immiscible organic solvent, and in that the conversion of (V) to (I) is effected under basic conditions and separately from (acidic) hydrolysis of (IV) to (V). The subject matter of the present claims is therefore novel.
- 3). It is an object of the present application to improve the yield of processes of the D1 type. This object is achieved by the presence of water-immiscible solvent in step (i) and the two-stage acid-base conversion of (IV)

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Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
	to (I). The subject matter of the claims therefore					
	involves an inventive step.					
	4					

Box No. VIII	ertain observations on the international application
The following obserthe description, are r	vations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by nade:
Formula	(V) should be checked.

Supplemental Box

H 321 106 A (F. HOFFMANN-LA ROCHE & CO. KTIENGESELLSCHAFT) 30 April 1957 (1957-04-30)	00-			
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	AKTIEN	ENGESELLSCHAFT) 3	0 April 1957	(1957-04-30)
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